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(71) Applicant (for all designated States except US): **NEX-ENSE LTD.** [IL/IL]; Manhattan Building, 2nd Floor, 1 HaKishon Street, P.O. Box 13078, 81220 Yavne (IL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BERNSTEIN, Michael** [IL/IL]; 8 ShaAr Yeshuv Street, 78 498 Ashkelon (IL). **ARIAV, Arie** [IL/IL]; 122 Kochav Michael, 79 304 Doar-Na Hof Ashkelon (IL). **RAVITCH, Vladimir** [IL/IL]; 27/24 Ort Street, 78 360 Ashkelon (IL).

(74) Agent: **G. E. EHRLICH (1995) LTD.**; 11 Menachem Begin Street, 52 521 Ramat-Gan (IL).

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(54) Title: METHOD AND APPARATUS FOR MEASURING FORCE PARTICULARLY TORQUE

(57) Abstract: A method and apparatus for measuring the force applied by a first member coupled to a second member by a connecting body, by: transmitting a cyclically-repeating energy wave through the connecting body from a first location thereon to a second location thereon; measuring the transit time of the cyclically-repeating energy wave from the first location to the second location; and utilizing the measured transit time to produce a measurement of the force. In the preferred described embodiment, the connecting body is a fastening plate which fastens a drive shaft to a driven shaft and measures the torque output of the drive shaft.



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